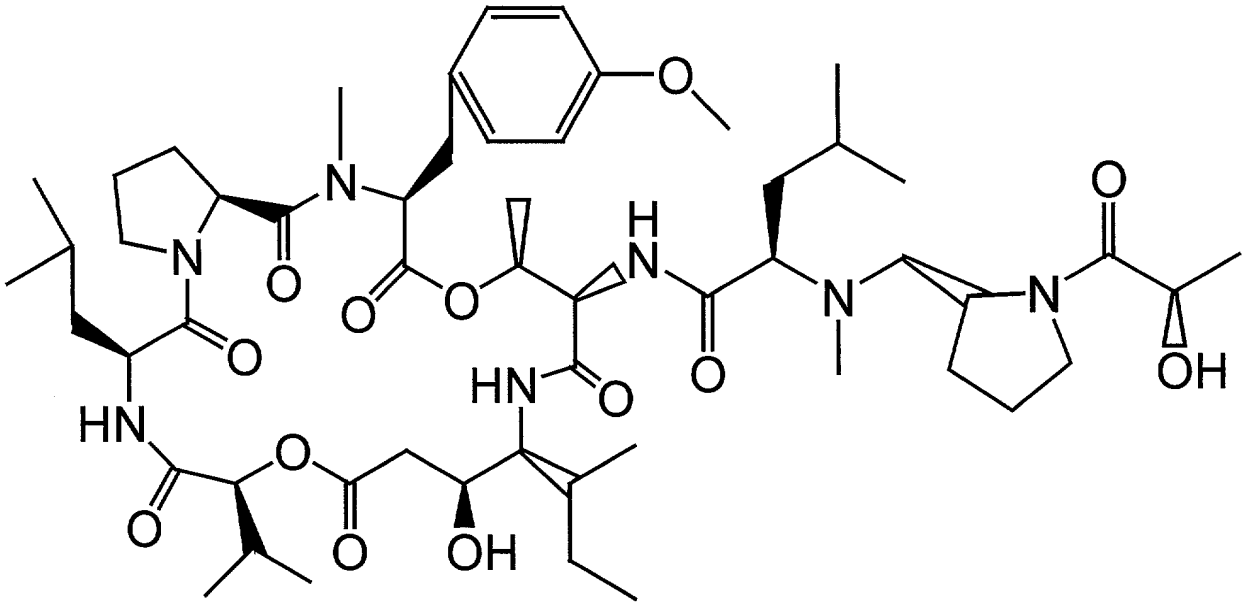


Fig. 1

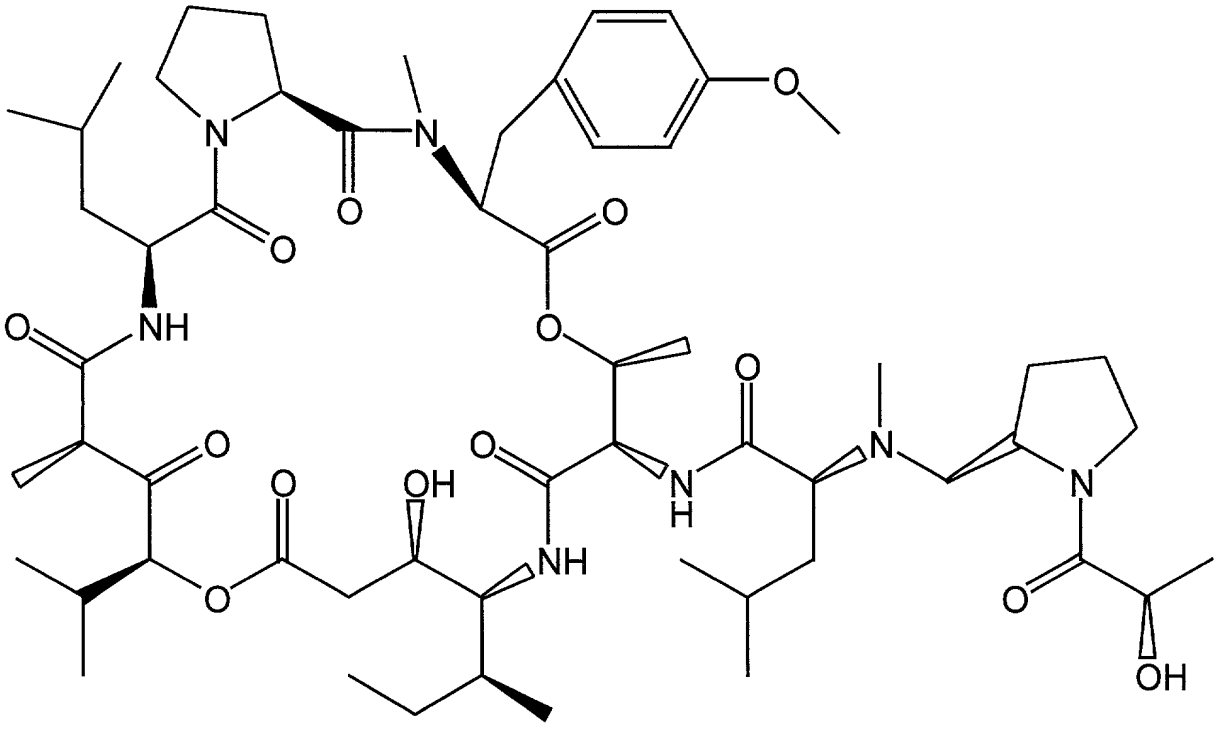
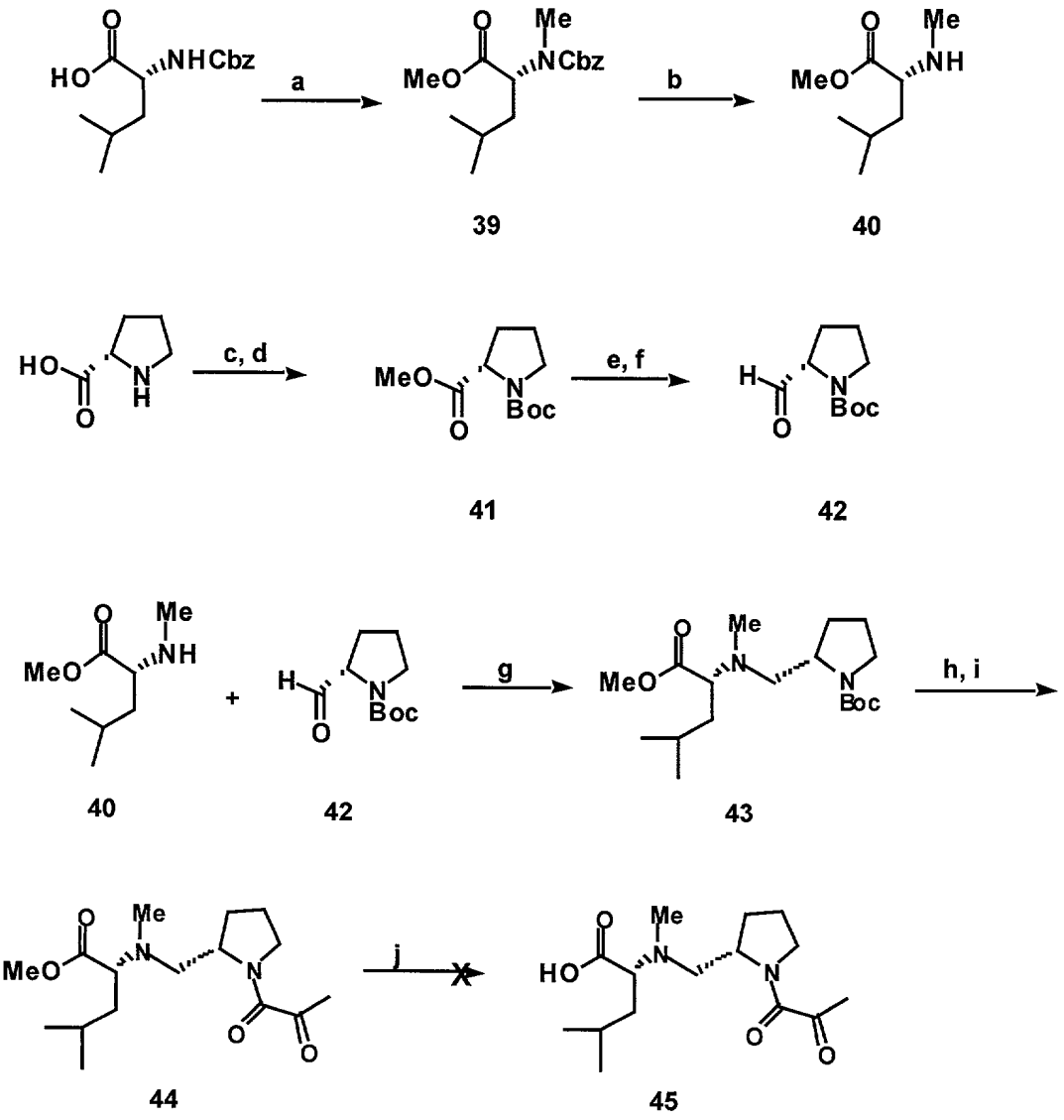
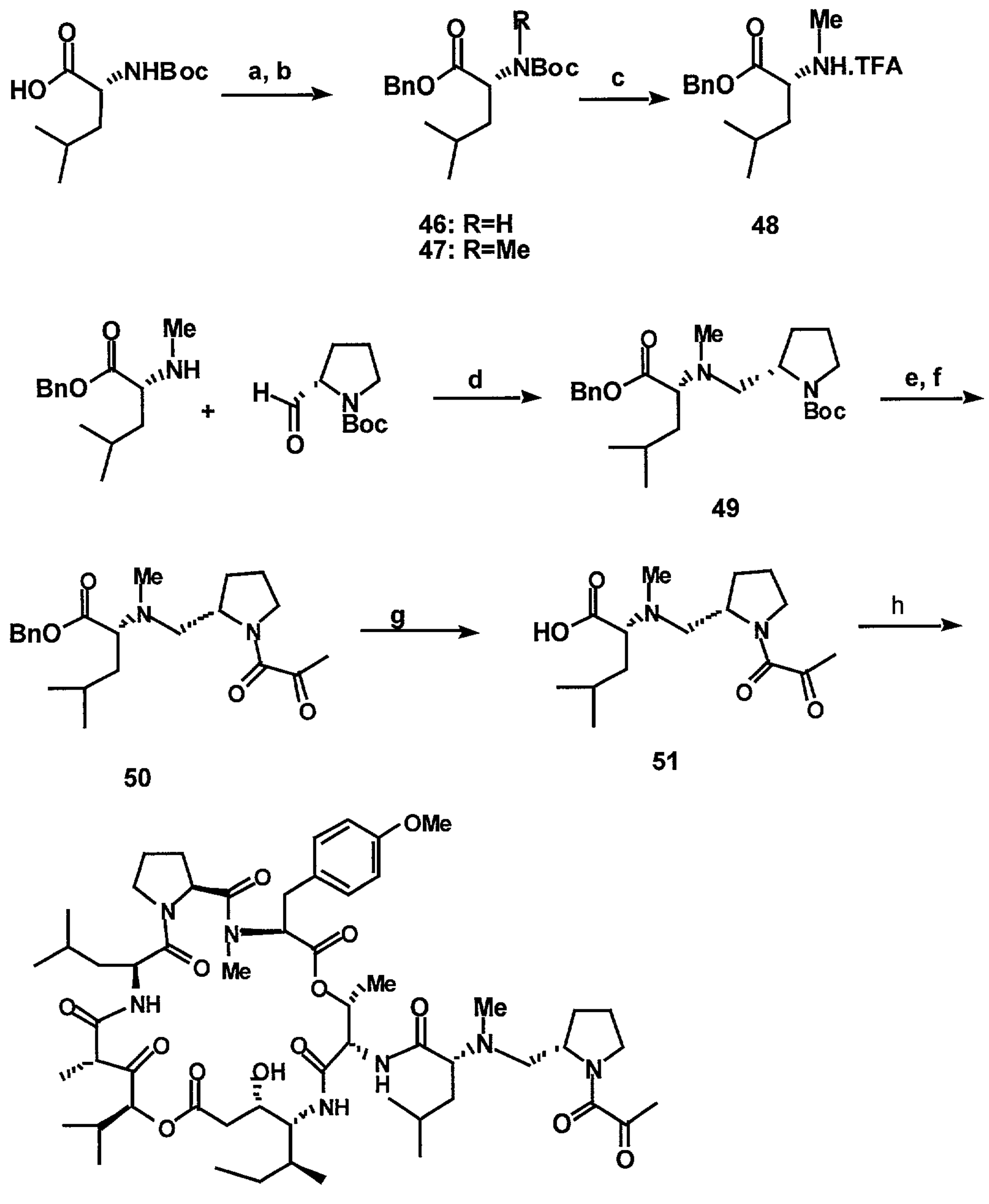


Fig. 2



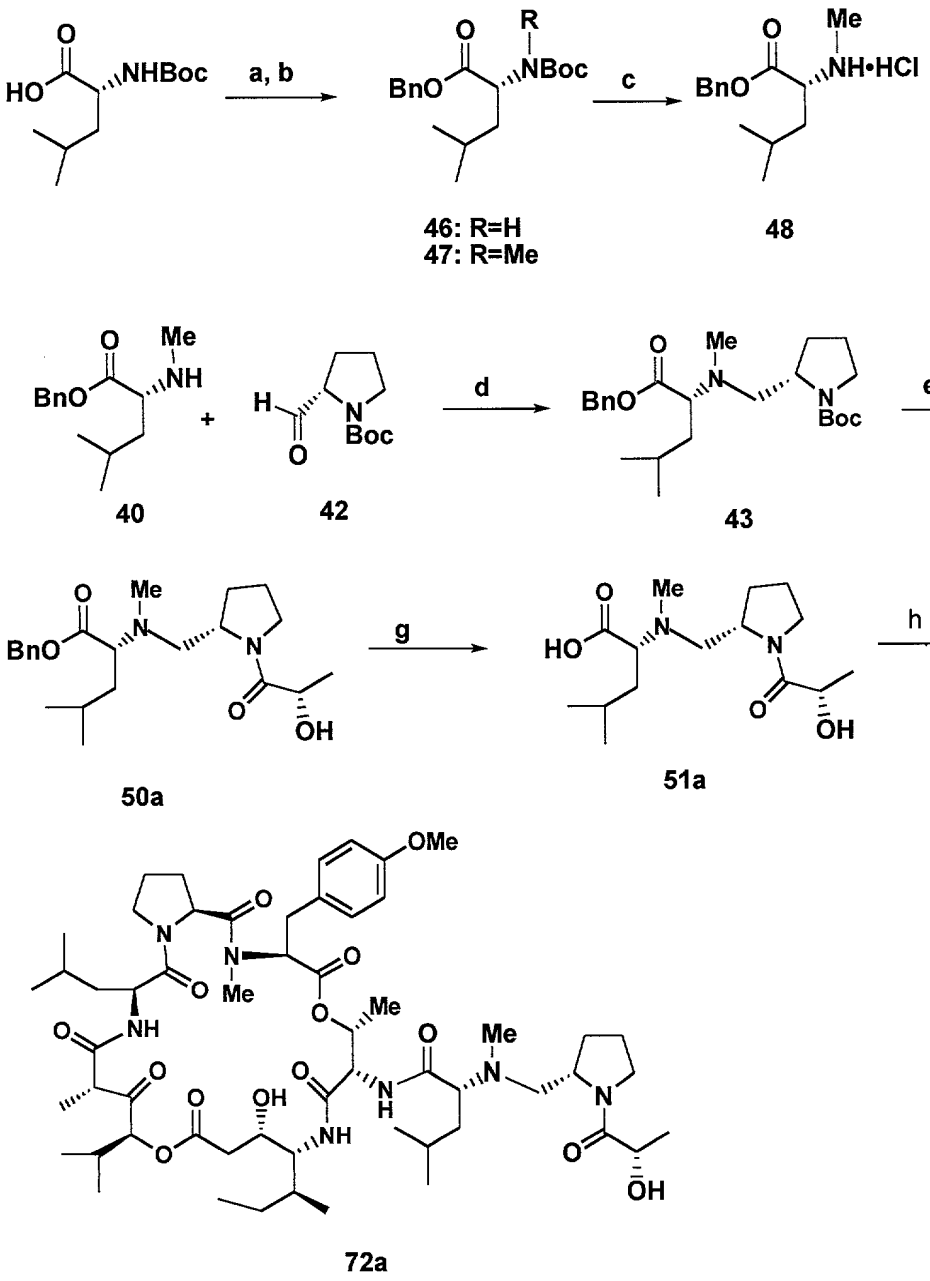
a. Me_2SO_4, KOH, $Bu_4N^+HSO_4^-$, THF, 78%; b. H_2, Pd/C, 99%; c. MeOH, $SOCl_2$, 95%; d. Boc_2O, Et_3N, CH_2Cl_2,85%; e. $NaBH_4$, LiCl, THF/EtOH,85%; f. SO_3.Pyr complex, DMSO, Et_3N, CH_2Cl_2; g. $Na(AcO)_3BH$, AcOH, CH_2Cl_2, 88%; h. HCl in dioxane, 90%; i. pyruvic acid BOP, NMM, CH_2Cl_2, 70%; j. LiOH.H_2O, THF/H_2O

Fig. 3



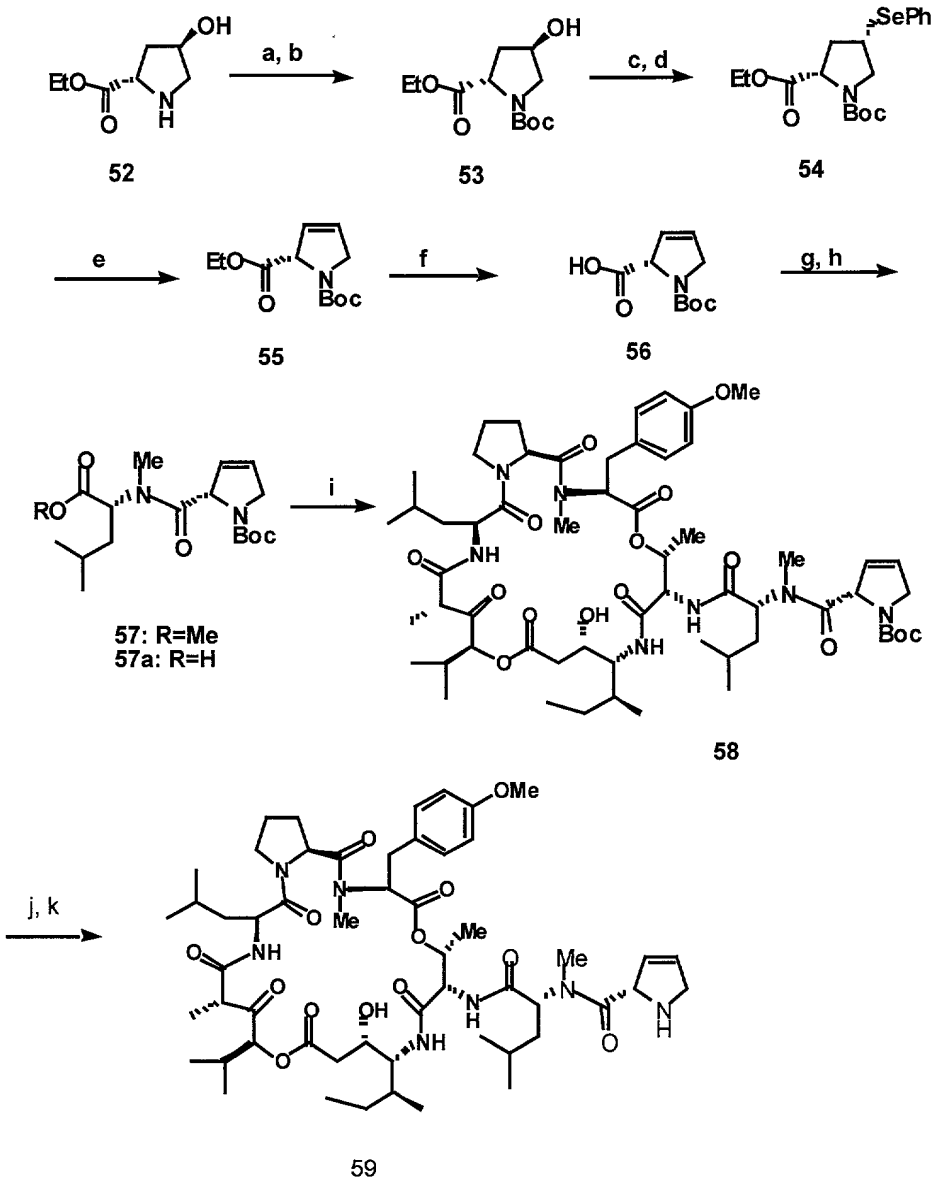
a. Li_2CO_3, BnBr, DMF, 85%; b. MeI, NaHMDS, CH_2Cl_2 78%; c. TFA/CH_2Cl_2, 90%
d. $Na(AcO)_3BH$, AcOH, CH_2Cl_2, 88%; e. HCl in dioxane, 90%; f. pyruvic acid, BOP, NMM, CH_2Cl_2, 70%; g. H_2, Pd/C, 99%; h. didemnin macrocycle salt, DIEA, HATU, CH_2Cl_2, 72%

Fig. 4



a. Li_2CO_3, BnBr, DMF, 85%; b. MeI, NaHMDS, CH_2Cl_2 78%; c. HCl in dioxane, 98%
d. $Na(AcO)_3BH$, AcOH, CH_2Cl_2, 88%; e. HCl in dioxane, 98%; f. lactic acid, BOP, NMM, CH_2Cl_2,61%; g. H_2, Pd/C; h. didemnin macrocycle salt, DIEA, HATU, CH_2Cl_2, 72%

Fig. 5



a. EtOH, $SOCl_2$, 95%; b.Boc_2O, Et_3N, CH_2Cl_2, 75%; c. MsCl, pyr.,CH_2Cl_2, 86%; d. Se_2Ph_2, $NaBH_4$, EtOH, 86%; e.Pyr., H_2O_2, CH_2Cl_2, 82%; f.LiOH.H_2O, THF/H_2O, 95%; g. *N*-Me-D-Leucine methyl ester, BOP, NMM, CH_2Cl_2, 75%; h. HCl.dioxane; i.DB macrocycle salt, DIEA, HATU, CH_2Cl_2, 72%; j. HCl gas; k. $NaHCO_3$, ethyl acetate

Fig. 6

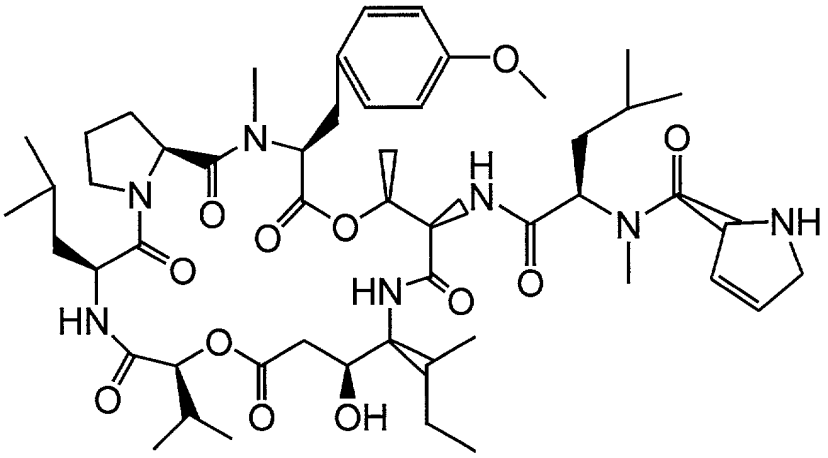


Fig. 7

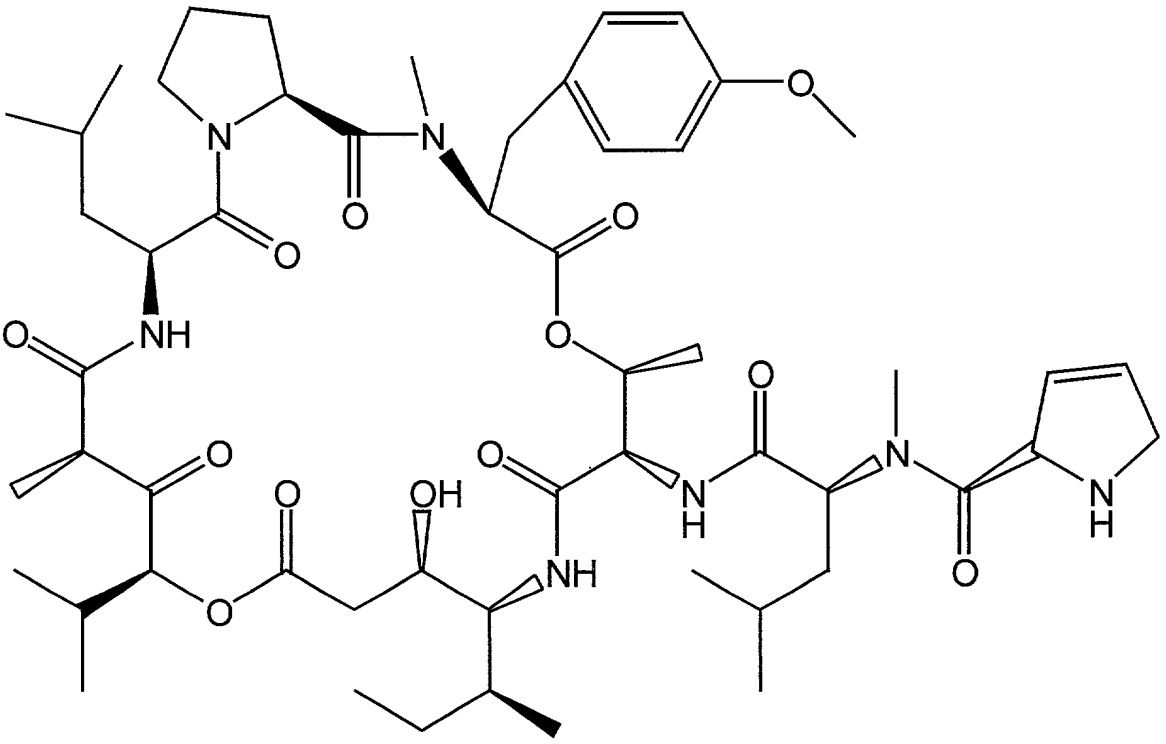


Fig. 8